

ABSTRACT

An angular velocity measuring device (1) includes a first sensor (2) (vibratory gyroscope) and a second sensor (3) (gas rate gyroscope). A detected output of the first sensor (2) is input to a highpass filter (4) and an output of this filter (4) is stored in the time series into a memory (10). Subtraction means (11) sequentially performs operations of subtracting an output $\omega v'(t-tsd)$ of the filter (4) at a time a predetermined time period tsd earlier from an output $\omega v'(t)$ of the filter (4), and addition means (12) sequentially adds the value obtained by the above to an output $\omega g(t)$ of the second sensor (3), whereby an angular velocity measurement is obtained. Thereby, it is possible to provide an angular velocity measuring device whose angular velocity measurements are high in response and stability at a low price.